

ABSTRACT

Current mode current sense circuits and methods that may provide a current output proportional to the sensed current, and that provide current sensing at a fixed voltage drop. Sensing is by way of a transistor coupled in series with the load, with circuitry clamping the voltage drop across the transistor to a predetermined level, and providing a current output proportional to the current in that transistor. Various embodiments are disclosed, including circuits for high side and low side sensing, and which are capable of operation in the presence of short circuits.